

BEST AVAILABLE COPY PATENT COOPERATION TREATY**PCT****NOTIFICATION OF ELECTION**

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

Assistant Commissioner for Patents
United States Patent and Trademark
Office
Box PCT
Washington, D.C.20231
ETATS-UNIS D'AMERIQUE

in its capacity as elected Office

Date of mailing (day/month/year) 08 September 2000 (08.09.00)	
International application No. PCT/US99/02728	Applicant's or agent's file reference AND1P016.P
International filing date (day/month/year) 08 February 1999 (08.02.99)	Priority date (day/month/year) 22 December 1998 (22.12.98)
Applicant BERTRAND, Benoit, Patrick et al	

1. The designated Office is hereby notified of its election made:

☒ in the demand filed with the International Preliminary Examining Authority on:
24 July 2000 (24.07.00)

☐ in a notice effecting later election filed with the International Bureau on:

2. The election ☒ was☐ was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer C. Cupello
Facsimile No.: (41-22) 740.14.35	Telephone No.: (41-22) 338.83.38

PATENT COOPERATION TREATY

BEST AVAILABLE COPY

PCT

NOTIFICATION OF THE RECORDING
OF A CHANGE(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

From the INTERNATIONAL BUREAU

To:

LESON, Thomas, Johannes, Alois
Tiedtke-Bühling-Kinne
Bavariaring 4
D-80336 München
ALLEMAGNE

Date of mailing (day/month/year) 08 September 2000 (08.09.00)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference AND1P016.P	
International application No. PCT/US99/02728	International filing date (day/month/year) 08 February 1999 (08.02.99)

1. The following indications appeared on record concerning:

☐ the applicant ☐ the inventor ☒ the agent ☐ the common representative

Name and Address STEPHENS, L., Keith Hickman Stephens & Coleman, LLP P.O. Box 52037 Palo Alto, CA 94303-0746 United States of America	State of Nationality	State of Residence
	Telephone No. 650 470 7430	
	Facsimile No. 650 470 7440	
	Teleprinter No.	

2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

☒ the person ☒ the name ☒ the address ☐ the nationality ☐ the residence

Name and Address LESON, Thomas, Johannes, Alois Tiedtke-Bühling-Kinne Bavariaring 4 D-80336 München Germany	State of Nationality	State of Residence
	Telephone No. 49 89 54 46 90	
	Facsimile No. 49 89 53 26 11	
	Teleprinter No.	

3. Further observations, if necessary:

4. A copy of this notification has been sent to:

<input checked="" type="checkbox"/> the receiving Office	<input type="checkbox"/> the designated Offices concerned
<input type="checkbox"/> the International Searching Authority	<input checked="" type="checkbox"/> the elected Offices concerned
<input checked="" type="checkbox"/> the International Preliminary Examining Authority	<input type="checkbox"/> other:

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer C. Cupello
Facsimile No.: (41-22) 740.14.35	Telephone No.: (41-22) 338.83.38

PATENT COOPERATION TREATY

PCT

NOTIFICATION OF THE RECORDING
OF A CHANGE(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

From the INTERNATIONAL BUREAU

To:

MILLER, L., Charles
Banner & Witcoff, Ltd.
Suite 3000Ten South Wacker Drive
Chicago, IL 60606-7407ETATS-UNIS D'AMERIQUE **BANNER & WITCOFF, LTD.**

JUN 15 2001

hite

Date of mailing (day/month/year) 31 May 2001 (31.05.01)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference AND1P016.P 05222. 00050	
International application No. PCT/US99/02728	International filing date (day/month/year) 08 February 1999 (08.02.99)

1. The following indications appeared on record concerning:

☐ the applicant ☐ the inventor ☒ the agent ☐ the common representative

Name and Address

LESON, Thomas, Johannes, Alois
Tiedtke-Bühling-Kinne
Bavariaring 4
D-80336 München
Germany

State of Nationality

State of Residence

Telephone No.

49 89 54 46 90

Facsimile No.

49 89 53 26 11

Teleprinter No.

2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

☒ the person ☐ the name ☒ the address ☒ the nationality ☒ the residence

Name and Address

MILLER, L., Charles
Banner & Witcoff, Ltd.
Suite 3000
Ten South Wacker Drive
Chicago, IL 60606-7407
United States of America

State of Nationality

State of Residence

Telephone No.

312-715-1000

Facsimile No.

312-715-1234

Teleprinter No.

3. Further observations, if necessary:

4. A copy of this notification has been sent to:

<input checked="" type="checkbox"/> the receiving Office	<input type="checkbox"/> the designated Offices concerned
<input type="checkbox"/> the International Searching Authority	<input checked="" type="checkbox"/> the elected Offices concerned
<input type="checkbox"/> the International Preliminary Examining Authority	<input type="checkbox"/> other:

The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

Facsimile No.: (41-22) 740.14.35

Authorized officer

Marie-Thérèse Priser

Telephone No.: (41-22) 338.83.38

PATENT COOPERATION TREATY

PCT

NOTIFICATION OF THE RECORDING
OF A CHANGE(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

From the INTERNATIONAL BUREAU

To:

MILLER, L., Charles
Banner & Witcoff, Ltd.
Suite 3000
Ten South Wacker Drive
Chicago, IL 60606-7407
ETATS-UNIS D'AMERIQUERECEIVED
DOCKET

JUN 15 2001

BANNER & WITCOFF, LTD.
hntc

Date of mailing (day/month/year) 31 May 2001 (31.05.01)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference AND1P016.P 05222.00050	
International application No. PCT/US99/02728	International filing date (day/month/year) 08 February 1999 (08.02.99)

1. The following indications appeared on record concerning:

☒ the applicant ☐ the inventor ☐ the agent ☐ the common representative

Name and Address

AC PROPERTIES B.V.
Parkstraat 83
NL-2514 JG 'S Gravenhage
The Hague
Netherlands

State of Nationality

NL

State of Residence

NL

Telephone No.

Facsimile No.

Teleprinter No.

2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

☐ the person ☒ the name ☐ the address ☐ the nationality ☐ the residence

Name and Address

ACCENTURE PROPERTIES (2) B.V.
Parkstraat 83
NL-2514 JG's Gravenhage
Netherlands

State of Nationality

NL

State of Residence

NL

Telephone No.

Facsimile No.

Teleprinter No.

3. Further observations, if necessary:

4. A copy of this notification has been sent to:

☒ the receiving Office ☐ the designated Offices concerned
☐ the International Searching Authority ☒ the elected Offices concerned
☐ the International Preliminary Examining Authority ☐ other:
The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

Authorized officer

Marie-Thérèse Priser

Facsimile No.: (41-22) 740.14.35

Telephone No.: (41-22) 338.83.38

PATENT COOPERATION TREATY

PCT

REC'D 28 MAR 2001

WIPO

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference WO 27772	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/US99/02728	International filing date (day/month/year) 08/02/1999	Priority date (day/month/year) 22/12/1998
International Patent Classification (IPC) or national classification and IPC G09B7/04		
Applicant AC PROPERTIES B.V. et al.		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.


2. This REPORT consists of a total of 7 sheets, including this cover sheet.

- ☐ This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☒ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☒ Certain defects in the international application
- VIII ☒ Certain observations on the international application

Date of submission of the demand 24/07/2000	Date of completion of this report 26.03.2001
Name and mailing address of the international preliminary examining authority:  European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465	Authorized officer Simonini, S Telephone No. +49 89 2399 8575



INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/US99/02728

I. Basis of the report

1. This report has been drawn on the basis of *(substitute sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments (Rules 70.16 and 70.17).):*

Description, pages:

1-45 as originally filed

Claims, No.:

1-18 as originally filed

Drawings, sheets:

1/16-16/16 as originally filed

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language: , which is:

- ☐ the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of:

- ☐ the description, pages:
- ☐ the claims, Nos.:

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/US99/02728

☐ the drawings, sheets:

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)):

(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

6. Additional observations, if necessary:

III. Non-establishment of opinion with regard to novelty, inventive step and industrial applicability

1. The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non-obvious), or to be industrially applicable have not been examined in respect of:

☐ the entire international application.

☒ claims Nos. 2,5,6,11,14,15.

because:

☐ the said international application, or the said claims Nos. relate to the following subject matter which does not require an international preliminary examination (*specify*):

☒ the description, claims or drawings (*indicate particular elements below*) or said claims Nos. 2,5,6,11,14,15 are so unclear that no meaningful opinion could be formed (*specify*):
see separate sheet

☐ the claims, or said claims Nos. are so inadequately supported by the description that no meaningful opinion could be formed.

☐ no international search report has been established for the said claims Nos. .

2. A meaningful international preliminary examination report cannot be carried out due to the failure of the nucleotide and/or amino acid sequence listing to comply with the standard provided for in Annex C of the Administrative Instructions:

☐ the written form has not been furnished or does not comply with the standard.

☐ the computer readable form has not been furnished or does not comply with the standard.

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)

Yes: Claims 3,4,7-9,12,13,16-18

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/US99/02728

	No:	Claims	1,10
Inventive step (IS)	Yes:	Claims	
	No:	Claims	1,3,4,7-10,12,13,16-18
Industrial applicability (IA)	Yes:	Claims	1,3,4,7-10,12,13,16-18
	No:	Claims	

2. Citations and explanations see separate sheet

VII. Certain defects in the international application

The following defects in the form or contents of the international application have been noted:
see separate sheet

VIII. Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:
see separate sheet

Re Item III

Non-establishment of opinion with regard to novelty, inventive step and industrial applicability

Claims 2, 5, 6, 11, 14, 15 have been excluded from examination because their subject matter is not clear (Art.6 PCT). The term "instantiating" found in said claims is understood as coming from the verb "to instantiate", which means to represent an abstraction by a concrete instance. When put in the context of said claims, it yields sentences whose sense cannot be understood.

Re Item VIII

Certain observations on the international application

The method claims are too broad in scope and are not supported by the description (Art.6 PCT). They should have contained a reference to the apparatus claims, for example "A method for operating the apparatus of claim...".

In the present wording their subject matter would not be regarded as patentable under certain national laws (e.g. EPC) since it is not of a technical nature.

The applicant should note that the scope of the claims of each application must be a clearly, defined separate scope (this to avoid double patenting in the national phase).

Re Item V

Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1 Reference is made to the following document (not cited in the search report):

D1: WO 97 44766 A (AGENT BASED CURRICULA INC ;COOK DONALD A (US); PADWA DAVID J (US);) 27 November 1997 (1997-11-27)

2 **Claim 1** is objected to under Article 33(2) PCT -Novelty- because all of its features are known from document D1, which discloses:
a method for creating a presentation (page 10, line 26), comprising the steps of receiving indicia representative of a goal (page 10, line 26) and presenting the

goal on the display (fig.4), integrating examples (fig.4) into the presentation to provide assistance with achieving the goal, monitoring the progress of a student toward a goal (page 10, lines 28 to 31) and providing feedback that further assists the student in accomplishing the goal (page 8, lines 8 to 13), and providing a dynamic toolbar (310 of fig.3) on the display to assist the student with achieving the goal.

- 3 **Claim 10** is objected to under Article 33(2) PCT -Novelty- because all of its features are known from document D1, which discloses:
an apparatus (the computer of page 1, line 8) that creates a presentation (page 10, lines 24 to 26), comprising a processor and memory that stores information under the control of the processor (implicit in a computer), logic that integrates examples (fig.4) into the presentation to provide assistance with achieving the goal, logic that monitors the progress of a student toward a goal (page 10, lines 28 to 31) and provides feedback that further assists the student in accomplishing the goal (page 8, lines 8 to 13), and logic that presents a dynamic toolbar (310 of fig.3) on the display to assist the student with achieving the goal.
- 4 Dependent **claims 3, 4, 7 to 9, 12, 13, 16 to 18** do not contain any features which, in combination with the features of any claim to which they refer, meet the requirements of the PCT in respect of inventive step (Art.33(3) PCT), the reasons being as follows:
 - 4.1 Claims 3 and 12 do not seem to provide any technical effect and are thus not considered inventive.
 - 4.2 The features of claims 4, 7 to 9, 13 and 16 to 18 are well known in the field of programming, and their inclusion in a method according to claim 1 or an apparatus according to claim 10 is not considered as involving an inventive step.

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT - SEPARATE SHEET**

International application No. PCT/US99/02728

Re Item VII

Certain defects in the international application

Contrary to the requirements of Rule 5.1(a)(ii) PCT, the relevant background art disclosed in the document D1 is not mentioned in the description, nor is this document identified therein.

AVAILABLE

PATENT COOPERATION TREATY

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DOCKET

From the
INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

APR 23 2001 PCT

To:

LESON, Thomas Johannes Alois
TIEDTKE-BÜHLING-KINNE
Bavariaring 4
D-80336 München
ALLEMAGNE

EINGEGANGEN
Patentamt

27. März 2001

TIEDTKE-BÜHLING-KINNE
& PARTNER (GmbH)

NOTIFICATION OF TRANSMITTAL OF
THE INTERNATIONAL PRELIMINARY
EXAMINATION REPORT

(PCT Rule 71.1)

Date of mailing
(day/month/year) 26.03.2001

Applicant's or agent's file reference
WO 27772

IMPORTANT NOTIFICATION

International application No.
PCT/US99/02728

International filing date (day/month/year)
08/02/1999

Priority date (day/month/year)
22/12/1998

Applicant
AC PROPERTIES B.V. et al.

1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.

4. REMINDER

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices) (Article 39(1)) (see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

Name and mailing address of the IPEA/

European Patent Office
D-80298 Munich
Tel. +49 89 2399 - 0 Tx: 523656 epmu d
Fax: +49 89 2399 - 4465

Authorized officer

Filus, S

Tel. +49 89 2399-8241



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PATENT COOPERATION TREATY

PCT

EINGEGANGEN Tiefenwarte 27. März 2001 TIEDTKE · BÜHLING · KINNE & PARTNER (GmbH)
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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference WO 27772		FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/US99/02728	International filing date (day/month/year) 08/02/1999	Priority date (day/month/year) 22/12/1998	
International Patent Classification (IPC) or national classification and IPC G09B7/04			
Applicant AC PROPERTIES B.V. et al.			
<p>1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of 7 sheets, including this cover sheet.</p> <p><input type="checkbox"/> This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).</p> <p>These annexes consist of a total of sheets.</p>			
<p>3. This report contains indications relating to the following items:</p> <ul style="list-style-type: none">I <input checked="" type="checkbox"/> Basis of the reportII <input type="checkbox"/> PriorityIII <input checked="" type="checkbox"/> Non-establishment of opinion with regard to novelty, inventive step and industrial applicabilityIV <input type="checkbox"/> Lack of unity of inventionV <input checked="" type="checkbox"/> Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statementVI <input type="checkbox"/> Certain documents citedVII <input checked="" type="checkbox"/> Certain defects in the international applicationVIII <input checked="" type="checkbox"/> Certain observations on the international application			
Date of submission of the demand 24/07/2000		Date of completion of this report 26.03.2001	
Name and mailing address of the international preliminary examining authority:  European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465		Authorized officer Simonini, S Telephone No. +49 89 2399 8575 	

Form PCT/IPEA/409 (cover sheet) (January 1994)

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference AND1P016.P	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/US 99/ 02728	International filing date (day/month/year) 08/02/1999	(Earliest) Priority Date (day/month/year) 22/12/1998
Applicant AC PROPERTIES B.V. et al.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 2 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☐ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

☒ None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No

PC:US 99/02728

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G09B7/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G09B G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	RICKEL J W: "Intelligent computer-aided instruction: a survey organized around system components" IEEE TRANSACTIONS ON SYSTEMS, MAN AND CYBERNETICS, JAN.-FEB. 1989, USA, vol. 19, no. 1, pages 40-57, XP002115454 ISSN: 0018-9472 abstract page 42, left-hand column, line 4 -right-hand column, line 15 page 54, left-hand column, line 53 -page 55, left-hand column, line 49 -----	1,10
A	EP 0 798 655 A (SUN MICROSYSTEMS INC) 1 October 1997 (1997-10-01) abstract page 4, line 13 - line 49; claims 1,4; figure 1 -----	1,4,7, 10,13,16



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

24 September 1999

Date of mailing of the international search report

03/11/1999

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Kingma, Y

Information on patent family members

PCT/US 99/02728

PCTWORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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(54) Title: A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A DYNAMIC TOOLBAR IN A TUTORIAL SYSTEM		
(57) Abstract <p>A system is disclosed that provides a goal based learning system utilizing a rule based expert training system to provide a cognitive educational experience. The system provides the user with a simulated environment that presents a business opportunity to understand and solve optimally. Mistakes are noted and remedial educational material presented dynamically to build the necessary skills that a user requires for success in the business endeavor. The system utilizes an artificial intelligence engine driving individualized and dynamic feedback with synchronized video and graphics used to simulate real-world environment and interactions. Multiple "correct" answers are integrated into the learning system to allow individualized learning experiences in which navigation through the system is at a place controlled by the learner. A dynamic toolbar that contains information that is context sensitive and utilities that are integrated into the presentation is instantiated from a database of presentation tailored information.</p>		

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